What is claimed is:

1   1.   A system module to couple a switch fabric network to input/output (I/O)

2   resources, said system module comprising:

3   a first serverlet;

4   a second serverlet; and

5   a first switching device to couple to each of said first serverlet and said second

6   serverlet and to said I/O resources such that said first serverlet and said second serverlet

7   share said I/O resources.

1   2.   The system module of claim 1, wherein said I/O resources comprise a first

2   disk system and a second disk system.

1   3.   The system module of claim 1, wherein the first serverlet comprises first

2   memory devices, a first processing unit, a first power conversion unit and a first interfacing

3   unit to couple said first processing unit to said first memory devices.

1   4.   The system module of claim 3, wherein the second serverlet comprises

2   second memory devices, a second processing unit, a second power conversion unit and a

3   second interfacing unit to couple said second processing unit to said second memory

4   devices.

1   5.   The system module of claim 1, wherein the switch fabric network comprises

2   one of an Infiniband network, an Ethernet network and a Fibrechannel network.

1   6.   The system module of claim 1, further comprising a data bus to couple said

2   first serverlet to said first switching device and to couple said second serverlet to said first

3   switching device.

1   7.   The system module of claim 1, further comprising a data bus, a second

2   switching device to couple to said switch fabric network, and a third switching device to

3   couple to said switch fabric network, said data bus to couple said first serverlet to said first

4   and second switching devices and to couple said second serverlet to said first and second

5   switching devices.

1   8.   The system module of claim 7, wherein said second switching device

2   comprises a first conversion unit to couple to said data bus, a second conversion unit to

3   couple to said data bus, and a third switching device to couple to said switch fabric network

4   and to each of said first conversion unit and said second conversion unit.

1   9.   The system module of claim 1, wherein said first switching device

2   comprises:

3   a first interface device to couple to said first serverlet;

4   a second interface device to couple to said second serverlet;

5   a second switching device to couple to said first interface device and said second

6 interface device; and

7   a controller device to couple to said second switching device and to a data bus that

8 is coupled to said I/O resources.

1   10.   The system module of claim 9, further comprising a third interface device to

2 couple between said controller device and said data bus.

1   11.   A module comprising:

2   a plurality of serverlets; and

3   a first switching device to couple to input/output (I/O) resources and to couple to

4 said said plurality of serverlets such that said plurality of serverlets share said I/O

5 resources.

1   12.   The module of claim 11, wherein said I/O resources comprise a first disk

2 system and a second disk system.

1   13.   The module of claim 11, wherein each of said plurality of serverlets

2   separately comprise memory devices, a processing unit, a power conversion unit and an

3   interfacing unit to couple said processing unit to said memory devices.

1   14.   The module of claim 11, wherein said module is coupled to a switch fabric

2   network, said switch fabric network comprising one of an Infiniband network, an Ethernet

3   network and a Fibrechannel network.

1   15.   The module of claim 11, further comprising a data bus to couple said

2   plurality of serverlets to said first switching device.

1   16.   The module of claim 11, further comprising a data bus, a second switching

2   device to couple to a switch fabric network and a third switching device to couple to said

3   switch fabric network, said data bus to couple said plurality of serverlets to said first and

4   second switching devices.

1   17.   The module of claim 16, wherein said second switching device comprises a

2   first conversion unit to couple to said data bus, a second conversion unit to couple to said

3   data bus, and a third switching device to couple to said switch fabric network and to each

4   of said first conversion unit and said second conversion unit.

1   18.   The module of claim 11, wherein said first switching device comprises:

2   a first interface device to couple to a first one of said plurality of serverlets;

3   a second interface device to couple to a second one of said plurality of serverlets;

4   a second switching device to couple to said first interface device and said second

5   interface device; and

6   a controller device to couple to said second switching device and to a data bus that

7   is coupled to said I/O resources.

19.   The module of claim 18, further comprising a third interface device to

couple between said controller device and said data bus.

20.   A system comprising:

a switch fabric network;

input/output (I/O) resources; and

4   a module to couple said switch fabric network to said I/O resources, said module

5   comprising:

6   a first serverlet;

7   a second serverlet; and

8   a first switching device to couple to each of said first serverlet and said

9   second serverlet and to said I/O resources such that said first serverlet and said second

10   serverlet share said I/O resources.

1   21.   The system of claim 20, wherein said I/O resources comprise a first disk system

2   and a second disk system.

1   22.   The system of claim 20, wherein the switch fabric network comprises one of an

2   Infiniband network, an Ethernet network and a Fibrechannel network.

1   23.   The system of claim 20, further comprising a data bus, a second switching

2   device to couple to said switch fabric network, and a third switching device to couple to said

3   switch fabric network, said data bus to couple said first serverlet to said first and second

4   switching devices and to couple said second serverlet to said first and second switching

5   devices.

1   24.   The system of claim 23, wherein said second switching device comprises a first

2   conversion unit to couple to said data bus, a second conversion unit to couple to said data bus,

3   and a third switching device to couple to said switch fabric network and to each of said first

4   conversion unit and said second conversion unit.